

DEPARTMENT of ENVIRONMENT and NATURAL RESOURCES Minerals & Mining Program - Oil & Gas Section 2050 West Main, Suite #1, Rapid City, SD 57702-2493 Telephone: 605-394-2229, FAX: 605-394-5317 FORM 2

RECEIVED SEP 13 2004

DEPT OF ENVIRONMENT & NATURAL RESOURCES - RORO

APPLICATION FOR PERMIT TO DRILL

Drill New We	ell X Reenter Wel ZONTAL RE-ENT	NY YQrill Direction	nal Well	XOil W Other		Injection	
Name and Address of Operator: LUFF EXPLORATION COMPANY 1580 LINCOLN ST. SUITE 850 DENVER, CO 303-861-2468							
	ess of Surface Owne TLE CO. HCR 63 I	er: BOX 20 LUDLOW,	SD 57755				
Name and Address of Drilling Contractor and Rig Number:							
C&H WELL SE	ERVICE , GILLETT	E, WYO RIG 104					
		Sec, Twp, Rge, Count CO 660' FNL & 6		nearest lines of secti	on, and latitude and long	itude (if availat	ole):
	op of pay and bottor PAY – 8972' TVD	n hole location from 0=9033' MD BF		s of section: L & 1300' FWL OF S	SEC. 23		
Acres in Spacing (Drilling) Unit Description of Spacing Unit							
841				ALL OF SEC. 22 & 2	3		
Well Name and Number		Elevation	Field and	Pool, or Wildcat	Proposed Depth and	Proposed Depth and Formation	
OTTERNESS 41-22		2942 GRD	HARDIN	HARDING SPRINGS 10,846MD= 8972TVD		TVD RED I	RIVER B
Size of Hole	Size of Casing	Weight per Foot	Depth	Cementing Program	Program (amount, type, additives)		Depth
1) 12 ¼ 2) 7 7/8 3) 4)	8 5/8 5 1/2	24 15.5,17,20	2526 9220	1015 SX 1000 SX	SUI 250		
Describe Proposed Operations (Clearly State all Pertinent Details, and Give Pertinent Dates, Including Estimated Date of Starting any Proposed Work). Use additional page(s) if appropriate. REMOVE EXISTING WHIPSTOCK. SET NEW WHIPSTOCK ON TOP OF CIBP AT 8875' AND MILL CASING WINDOW FROM 8852''-8858' WITH AZIMUTH OF APPROX. 98 DEG. DRILL AND LAND CURVE IN THE RED RIVER B ZONE AT 8972' TVD =9033' MD APPROX. 27' N.& 166' F. OF SURFACE LOCATION. DRILL HORIZONTAL LATERAL. IN THE RED RIVER "B" ZONE TO A BHL 900' FNL & 1300' FWL OF SEC. 23. DIRECTIONAL DRILLING PLAN IS ATTACHED. THE DRILLING FLUID WILL BE FRESH WATER. ALL CUTTINGS AND FLUIDS WILL BE CONTAINED IN A SMALL LINED RESERVE PIT. PIT LINER WILL BE 12 MIL THICK. LIQUIDS WILL BE DISPOSED OF IN AN APPROVED SITE. CUTTINGS AND LINER WILL BE BURIED IN PLACE. COMPLETION WILL BE IN OPEN HOLE.							
I hereby certify that the foregoing as to any work or operation performed is a true and correct report of such work or operation. SOUTH DAKOTA Operations Megeological STRVEY9 - 04							
Signature Name (Print) WHENTERN FIELD OFFICE Date							
	1	FOR (OFFICE US	SE ONLY		~	m
Approved By:	fredo	steece		Tit	e: Oil & Gas Supe	rvisor	~
Permit No. #1714 API No. 40 063 20064.03 Date Issued: 09/21/04							
Conditions, if a	ny, on attached page	s.					